COMMONWEALTH OF KENTUCKY

BEFORE THE PUBLIC SERVICE COMMISSION

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ELECTRONIC 2019 INTEGRATED RESOURCE)	CASE NO.
PLAN OF EAST KENTUCKY POWER)	2019-00096
COOPERATIVE, INC.)	

NOTICE OF FILING

Notice is given to all parties that the following materials have been filed into the record of this proceeding:

- The digital video recording of the evidentiary hearing conducted on August 20, 2020 in this proceeding;
- Certification of the accuracy and correctness of the digital video recording;
- A written log listing, inter alia, the date and time of where each witness' testimony begins and ends on the digital video recording of the evidentiary hearing conducted on August 20, 2020.

A copy of this Notice, the certification of the digital video record, and hearing log have been served upon all persons listed at the end of this Notice. Parties desiring to view the digital video recording of the hearing may do so at https://youtu.be/vufiroVc2EA.

Parties wishing an annotated digital video recording may submit a written request by electronic mail to pscfilings@ky.gov. A minimal fee will be assessed for a copy of this recording.

Done at Frankfort, Kentucky, this 1st day of September 2020.

Kent A. Chandler

Acting Executive Director
Public Service Commission of Kentucky

COMMONWEALTH OF KENTUCKY

BEFORE THE PUBLIC SERVICE COMMISSION

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ELECTRONIC 2019 INTEGRATED RESOURCE)	CASE NO.
PLAN OF EAST KENTUCKY POWER)	2019-00096
COOPERATIVE, INC.	ì	

CERTIFICATION

- I, Candace H. Sacre, hereby certify that:
- 1. The attached DVD contains a digital recording of the Formal Hearing conducted in the above-styled proceeding on August 20, 2020. The Formal Hearing Log is included with the recording on August 20, 2020;
 - 2. I am responsible for the preparation of the digital recording;
- The digital recording accurately and correctly depicts the Formal Hearing of August 20, 2020; and
- 4. The Formal Hearing Log attached to this Certificate accurately and correctly states the events that occurred at the Formal Hearing of August 20, 2020, and the time at which each occurred.

Signed this 26th day of August, 2020.

Candace H. Sacre

Administrative Specialist III

Stephanie Schweighardt

Notary Public State at Large ID#: 614400 Commission Expires: January 14, 2023



Session Report - Detail

2019-00096 20Aug2020

East Kentucky Power Cooperative (EKPC)

Date:	Туре:	Location:	Department:
8/20/2020	Public Hearing\Public Comments	Hearing Room 1	Hearing Room 1 (HR 1)

Witness: Darrin Adams; David Crews; Scott Drake; Mark Horn; Isaac S. Scott; Craig Johnson; Mike McNalley; Jerry

Purvis; Julia Tucker

Judge: Talina Mathews; Michael Schmitt

Clerk: Candace Sacre

Event Time	Log Event	
9:00:28 AM	Session Started	
9:01:48 AM	Commissioner Mathews	
	Note: Sacre, Candace	We're on the record in Case No. 2019-00096, the 2019 Integrated Resource Plan of East Kentucky Power.
9:01:58 AM	Commissioner Mathews	
	Note: Sacre, Candace	My name is Talina Mathews. I'm Commissioner here at the Public Service Commission, and I will be presiding today. Joining me on videoconferencing is Chairman Schmitt. As you know, Vice Chairman Chandler is recused and will not be participating in today's proceeding.
9:02:18 AM	Commissioner Mathews	
	Note: Sacre, Candace	At this time, I would normally caution you to turn your phones off, but, due to our current state of emergency, we are hosting this hearing via what I hope is, well, I can't even hope is, the last video hearing, but what is now our new normal, our video hearing. Since this is a learning experience still, there are a few suggestions I would offer. In addition to the normal courtesies regarding cell phones, the following may help you prevent clarity and feedback issues.
9:02:54 AM	Commissioner Mathews	
	Note: Sacre, Candace	Mute your microphone if you are not speaking. Attorneys, when interjecting, please state your name so that it can be in the record clearly. If you use a phone for audio and a computer for video, turn off the computer audio. Otherwise, we get echoes and feedback. (Click on link for further comments.)
9:04:27 AM	Commissioner Mathews	
	Note: Sacre, Candace	The hearing today is for the purpose of taking evidence and discussion about the Integrated Resource Plan.
9:04:36 AM	Commissioner Mathews	
	Note: Sacre, Candace	At this time, we're going to have the entry of appearance of counsel Given the unique challenges of conducting this videohearing, I will also request that each party's counsel identify their witnesses at this time, and we will swear in everyone. Correct?
9:04:55 AM	Staff Atty Frederick PSC	, , , , , , , , , , , , , , , , , , , ,
	Note: Sacre, Candace	That's correct.
9:04:57 AM	Commissioner Mathews	
	Note: Sacre, Candace	And we'll go ahead and swear in everyone similar to what we do in an FAC case because we recognize that multiple people answered the same question and that there may be a need for that, and so for East Kentucky Power?

9:05:12 AM	Atty Samford EKPC	
9.03.12 AM	Note: Sacre, Candace	Good morning, Your Honor, David Samford on behalf of East
	Note: Sacre, Caridace	Kentucky Power Cooperative, Inc. With me as co-counsel is Ms.
		Allyson Honaker
9:05:22 AM	Atty Samford EKPC	,
	Note: Sacre, Candace	I can introduce our witnesses. I'll just go through the list of how
		they appear here, Mr. Craig Johnson, Mr. Darrin Adams, Mr. David
		Crews, Mr. Isaac Scott, Mr. Jerry Purvis, Ms. Julie Tucker, Mr. Mark
		Horn, Mr. Mike McNalley, Mr. Scott Drake, and I believe that's it. Did
0.05.40.414	M.II	I leave anybody out?
9:05:48 AM	Commissioner Mathews	We seemed as Mr. Turkey or any seems Thatks for
0.06.01 AM	Note: Sacre, Candace	We cannot see Ms. Tucker on our screen. That's fine.
9:06:01 AM	Commissioner Mathews	For the Atterney Concepts Well do all witnesses at the same time
	Note: Sacre, Candace	For the Attorney General? We'll do all witnesses at the same time. For the Attorney General?
9:06:09 AM	Asst Atty General Cook	Tor the Attorney General:
9.00.09 AM	Note: Sacre, Candace	Yes, for the Attorney General, Lawrence Cook, and we have no
	Note: Sacre, Caridace	witnesses.
9:06:13 AM	Commissioner Mathews	William Control of the Control of th
	Note: Sacre, Candace	Okay, thank you. For KIUC?
9:06:16 AM	Atty Kurtz Nucor	,,
	Note: Sacre, Candace	Good morning, Your Honor. Mike Kurtz for Nucor Steel Gallatin.
9:06:22 AM	Commissioner Mathews	
	Note: Sacre, Candace	And for Commission Staff?
9:06:25 AM	Staff Atty Frederick PSC	
	Note: Sacre, Candace	Tina Frederick for Commission Staff, Your Honor, and we have no
		witnesses.
9:06:29 AM	Commissioner Mathews	
	Note: Sacre, Candace	And I believe you have John Rogness with you as Staff?
9:06:33 AM	Staff Atty Frederick PSC	V
0.06.20 AM	Note: Sacre, Candace	Yes.
9:06:39 AM	Commissioner Mathews Note: Sacre, Candace	Public notice has been given, is that correct?
9:06:42 AM	Atty Samford EKPC	rubile flotice flas been given, is that correct:
J.00.42 AM	Note: Sacre, Candace	Correct, Your Honor, and Proof of Publication was filed on Monday.
9:06:45 AM	Commissioner Mathews	correct, roar fronting and froot of rabilication was filed off frontage.
31001107	Note: Sacre, Candace	Okay. Thank you. Are there any outstanding motions, Ms. Frederick?
9:06:50 AM	Staff Atty Frederick PSC	
	Note: Sacre, Candace	No, Your Honor.
9:06:51 AM	Atty Samford EKPC	,
	Note: Sacre, Candace	I'm not aware of any.
9:06:53 AM	Commissioner Mathews	
	Note: Sacre, Candace	Okay. I will give the same opportunity for public comment that we
		always give. Should anyone from the public like to provide the
		Commission with public comment, the instructions to call in are
		located on our website, psc.ky.gov. The phone lines will remain
		located on our website, psc.ky.gov. The phone lines will remain open for several minutes at the start of the hearing or close if there
		located on our website, psc.ky.gov. The phone lines will remain
9:07:48 AM	Staff Atty Frederick PSC	located on our website, psc.ky.gov. The phone lines will remain open for several minutes at the start of the hearing or close if there are no callers or after everyone has had an opportunity to speak.
9:07:48 AM	Staff Atty Frederick PSC Note: Sacre, Candace	located on our website, psc.ky.gov. The phone lines will remain open for several minutes at the start of the hearing or close if there are no callers or after everyone has had an opportunity to speak.
9:07:48 AM 9:07:54 AM	•	located on our website, psc.ky.gov. The phone lines will remain open for several minutes at the start of the hearing or close if there are no callers or after everyone has had an opportunity to speak. (Click on link for further comments.) No callers at this time.
	Note: Sacre, Candace	located on our website, psc.ky.gov. The phone lines will remain open for several minutes at the start of the hearing or close if there are no callers or after everyone has had an opportunity to speak. (Click on link for further comments.) No callers at this time. Okay. I don't believe there is anyone on the line. If someone calls in
	Note: Sacre, Candace Commissioner Mathews	located on our website, psc.ky.gov. The phone lines will remain open for several minutes at the start of the hearing or close if there are no callers or after everyone has had an opportunity to speak. (Click on link for further comments.) No callers at this time.

9:08:04 AM	Commissioner Mathews	
9.00.07 AM	Note: Sacre, Candace	Okay. We plan to swear in all of the witnesses, all of the EKPC
	Note: Sacre, Caridace	witnesses, at the same time. Given the nature of the issues, we
		recognize that multiple witnesses will have answers to different
		pieces of the Staff's questions. Rather than having the endless
		deferring to another and, you know, one person who ends up at the
		end who has to answer everything, we'll make this a little more
		level.
9:08:31 AM	Commissioner Mathews	
	Note: Sacre, Candace	So, Mr. Samford, which order - well, I guess we've introduced them.
		Everyone can raise their right hand.
9:08:46 AM	Commissioner Mathews	
	Note: Sacre, Candace	Witnesses sworn.
9:08:57 AM	Commissioner Mathews	
	Note: Sacre, Candace	Thank you. Now, probably because we didn't do an introduction
		that included their titles, it might be meaningful, Mr. Samford, for
		you to introduce everyone or have everyone introduce themselves
0.00.21 AM	Att. Cometand FIADC	now, according to title and what they do with the company.
9:09:21 AM	Atty Samford EKPC	Circa Da vasa wast saa ta susific aasta withaasa as wall ay farasa black
	Note: Sacre, Candace	Sure. Do you want me to qualify each witness as well or forego that formality?
9:09:29 AM	Commissioner Mathews	ioiniality:
3.03.23 AM	Note: Sacre, Candace	I think we can probably qualify all of them at the same time. How's
	Note. Sacre, Candace	that? After you introduce them?
9:09:35 AM	Atty Samford EKPC	that: After you introduce them:
J.05.55 7 11 1	Note: Sacre, Candace	Okay, that will be fine.
9:09:37 AM	Atty Samford EKPC - witness Joh	•
3.03.37 7.11	Note: Sacre, Candace	Direct Examination. Mr. Johnson, would you just state your name
		and title, please?
9:09:46 AM	Atty Samford EKPC - witness Ada	·
	Note: Sacre, Candace	Direct Examination. Mr. Adams?
9:09:54 AM	Atty Samford EKPC - witness Cre	ws
	Note: Sacre, Candace	Direct Examination. Mr. Crews?
9:10:00 AM	Atty Samford EKPC - witness Sco	tt
	Note: Sacre, Candace	Direct Examination. Mr. Scott?
9:10:06 AM	Atty Samford EKPC - witness Pur	vis
	Note: Sacre, Candace	Direct Examination. Mr. Purvis?
9:10:12 AM	Atty Samford EKPC - witness Tuc	ker
	Note: Sacre, Candace	Direct Examination. Ms. Tucker?
9:10:18 AM	Atty Samford EKPC - witness Hor	
	Note: Sacre, Candace	Direct Examination. Mr. Horn?
9:10:24 AM	Atty Samford EKPC - witness McN	Nalley
	Note: Sacre, Candace	Direct Examination. Mr. McNalley?
9:10:31 AM	Atty Samford EKPC - witness Dra	
	Note: Sacre, Candace	Direct Examination. And Mr. Drake?
9:10:39 AM	Commissioner Mathews	
	Note: Sacre, Candace	Do you want to qualify them as a group?
9:10:41 AM	Atty Samford EKPC	
	Note: Sacre, Candace	Sure, that would be fine.
9:10:43 AM	Atty Samford EKPC - EKPC witnes	
	Note: Sacre, Candace	Direct Examination. Did each of you cause certain Responses to
		Date Requests to be filed in the record of this proceeding or have a
		role in the drafting of the IRP filing?

9:10:54 AM	Atty Samford EKPC - EKPC witnes	sses
	Note: Sacre, Candace	And, if we were to ask those same questions that were posed in the
		Data Requests, would your answers be the same?
9:11:03 AM	Atty Samford EKPC - EKPC witnes	sses
	Note: Sacre, Candace	Does anybody have any corrections, changes, edits to those Responses to Data Requests?
9:11:11 AM	Atty Samford EKPC	
	Note: Sacre, Candace	Your Honor, I tender the witnesses for cross examination.
9:11:16 AM	Commissioner Mathews	
	Note: Sacre, Candace	Ms. Frederick?
9:11:17 AM	Staff Atty Frederick PSC	
	Note: Sacre, Candace	Thank you.
9:11:19 AM	Staff Atty Frederick PSC - witness	s Drake
	Note: Sacre, Candace	Cross Examination. We're going to begin this morning with just a series of questions based on Responses to questions in the Data Requests and also the Demand Side Management portion of the IRP, and our first question is just basically about reaching a saturation point with any particular demand side management program. There are only so many homes that can be audited and buttoned up and only so many demand control switches that can be installed. What, if any, current demand side management program has EKPC identified as having reached or nearly reached a saturation point?
9:13:48 AM	Staff Atty Frederick PSC - witness	
	Note: Sacre, Candace	Thank you. On that note, I'd just like to follow up with, what are the percentage of customers that have participated with installing demand control switches?
9:14:09 AM	Staff Atty Frederick PSC - witness	s Drake
	Note: Sacre, Candace	Okay, and you mentioned shifting over into the thermostat demand control switch. What, if any, other innovative programs are on the horizon on the demand side management?
9:15:30 AM	Staff Atty Frederick PSC - witness	s Drake
	Note: Sacre, Candace	Thank you, thank you. Identify and describe what EM&V quality assurance efforts are being made by EKPC with respect to its member cooperatives?
9:17:45 AM	Staff Atty Frederick PSC - witness	s Drake
	Note: Sacre, Candace	Thank you. I have a question or two about the Collaborative 2.0. Has EKPC filed a report or copies of the meeting minutes with the Commission?
9:18:17 AM	Staff Atty Frederick PSC - witness	s Drake
	Note: Sacre, Candace	Yeah, the agendas were filed, but meeting minutes weren't. That's why I asked.
9:18:28 AM	Staff Atty Frederick PSC - witness	s Drake
	Note: Sacre, Candace	Okay. Can you just give us a verbal update on the Collaborative 2.0 since the IRP was filed?
9:19:30 AM	Staff Atty Frederick PSC - witness	
	Note: Sacre, Candace	Are there any plans for that group to meet in the future?
9:20:27 AM	Staff Atty Frederick PSC - witness Note: Sacre, Candace	Thank you for that. I'd like to switch gears here now and move to supply side optimization and modeling, if we may. Can you explain the interaction between the production cost model and the resource
9:21:18 AM	Staff Atty Frederick PSC - witness	optimizer?
3.∠1.10 AIYI	Note: Sacre, Candace	Can you explain what the production cost model does and what is the output of the model?

9:22:03 AM	Staff Atty Frederick PSC - witness	Tucker
	•	And does the model run all resource options simultaneously and
		then stack them according to least cost or net present value least
	5. 55 to 5. 1. 1. 200 to	cost?
9:22:24 AM	Staff Atty Frederick PSC - witness	
	Note: Sacre, Candace	Net present value least cost. Thank you. There appears to be a
		choice when running the production cost model to run it either deterministically, where the results are assumed to be accurate, or
		more stochstically, where there is some probability that the results
		will be accurate. Explain which method EKPC used for this IRP.
9:23:54 AM	Staff Atty Frederick PSC - witness	·
	Note: Sacre, Candace	How are you choosing the probabilities for the inputs?
9:24:43 AM	Staff Atty Frederick PSC - witness	Tucker
	Note: Sacre, Candace	Okay. For my next couple of questions, I'm going to be referring to
		Table 319 and also Table 8-6 and comparing those.
9:25:06 AM	Staff Atty Frederick PSC	
	Note: Sacre, Candace	Let me know when you have those. I don't want to continue until
9:25:15 AM	Staff Atty Frederick PSC - witness	you can see them.
9.23.13 AN	Note: Sacre, Candace	Thank you. Now, it appears that the projected peaks that are used
	Note: Sacre, Canadee	in the optimization model in Table 8-6 deviate from the demand side
		base case peak forecasted loads in Table 319, and that deviation
		begins in the year 2024.
9:25:41 AM	Staff Atty Frederick PSC - witness	Tucker
	Note: Sacre, Candace	Can you explain what is happening in 2024 that would explain the
0.26.20 AM	Chaff Alla Fua davida DCC	deviation between the two tables?
9:26:39 AM	Staff Atty Frederick PSC Note: Sacre, Candace	Ms. Tucker appears to be breaking up just a little bit here, in the
	Note: Sacre, Candace	hearing room.
9:26:48 AM	Staff Atty Frederick PSC - witness	
	•	I can.
9:27:51 AM	Staff Atty Frederick PSC - witness	Tucker
		So why is that not done on the demand side?
9:28:57 AM	Staff Atty Frederick PSC - witness	
	Note: Sacre, Candace	So can you just explain why you would not want to have consistent
		assumptions across the demand side sensitivity assumptions and the
9:29:41 AM	Staff Atty Frederick PSC - witness	supply side modeling?
J.2J.41 AN	Note: Sacre, Candace	The upper and lower bounds that are in the demand side modeling,
	rioter such sy curiouse	why would you not also want to have that same assumption in the
		supply side modeling?
9:31:39 AM	Staff Atty Frederick PSC - witness	Tucker
	Note: Sacre, Candace	Thank you. I think that gets us there. This question is about the
		forecasted prices and costs, such as market prices, natural gas
		prices, coal prices, and emission costs. Is there only one forecasted
9:32:21 AM	Staff Atty Frederick PSC - witness	set of prices and costs correlated into the load data? Tucker
J.JZ.Z.I AN	Note: Sacre, Candace	What are the emissions that are covered in the emissions cost data?
9:32:51 AM	Staff Atty Frederick PSC - witness	
	•	Is carbon included?
9:33:01 AM	Staff Atty Frederick PSC - witness	
	Note: Sacre, Candace	Explain how EKPC models future changes in environmental
		requirements for coal plants.

9:33:56 AM	Staff Atty Frederick PSC - witness	: Tucker
7.55.50 AM	Note: Sacre, Candace	And how are the uncertainties that are surrounding environmental
	Hotel Sacrey Carladee	requirements modeled?
9:34:14 AM	Staff Atty Frederick PSC - witness	·
	Note: Sacre, Candace	And what about uncertainty related to load? How would that be modeled?
9:34:30 AM	Staff Atty Frederick PSC - witness	
	Note: Sacre, Candace	And how is market price uncertainty modeled?
9:34:43 AM	Staff Atty Frederick PSC - witness	
	Note: Sacre, Candace	Okay, and and how is fuel price uncertainty modeled?
9:34:57 AM	Staff Atty Frederick PSC - witness	
0.25.07 AM	Note: Sacre, Candace	Now, for the next few questions, I'm going to be referring to Table 8 -2.
9:35:07 AM	Commissioner Mathews	May I hafaya wa maya ann I adk abayt tha any iya wasantal?
9:35:13 AM	Note: Sacre, Candace Staff Atty Frederick PSC	May I - before we move, can I ask about the environmental?
9.33.13 AM	Note: Sacre, Candace	Absolutely.
9:35:20 AM	Commissioner Mathews - witness	·
3.33.20 AM	Note: Sacre, Candace	You look at the probabilities and the uncertainty with regard to fuel
	Note. Sacre, Candace	costs, with regard to weather, with regard to market prices, if I'm thinking back the last 15 years in this industry, I think the thing that's been most likely to change have been those environmental rules and the costs that are associated with those, so do you think your modeling would be different if you did include some uncertainty or probabilities around those environmental rules?
9:40:59 AM	Commissioner Mathews	•
0.42.40 AM	Note: Sacre, Candace	I think I was not so much thinking about the things you just said but as the large uncertainties in environmental rules as you're looking at a 15-year look forward and how are those captured in the same way that a fuel cost uncertainty or a market price uncertainty or a weather uncertainty is captured in the modeling. I get that. I was trying to figure out more, I guess, why wasn't - you know, why aren't environmental uncertainties modeled in a similar fashion to those other uncertainties when you're looking at a 15-year? And, you know, that what I didn't hear you say was anything to do with greenhouse gases, whether you want to assume those probabilities are zero or those probabilities are a hundred, I'm going to think that they are relevant to a model going forward. We may know more about that in November, but certainly I think in the next IRP may be a discussion of the modeling over that 15-year time horizon for environmental uncertainties because they all have impact on your production costs. They may have impact through your fuel costs, you know, so that was just - you know, I'm taking the liberty of being the only one up here on the bench and asking questions.
9:42:49 AM	Commissioner Mathews Note: Sacre, Candace	So I will give it back to you, Staff.
9:42:51 AM	Staff Atty Frederick PSC Note: Sacre, Candace	Thank you.
9:43:30 AM	Commissioner Mathews - witness	es Tucker and Crews
0.44.00	Note: Sacre, Candace	Okay, thank you.
9:44:08 AM	Commissioner Mathews	
	Note: Sacre, Candace	It's not to my satisfaction. It's just my curiousity, right. Again, I get to be the only one up here in a case that the Commissioners don't make a decision in, so I can ask - I have a little more free rein to ask questions.

9:44:25 AM	Staff Atty Frederick PSC	
0.44.27 AM	Note: Sacre, Candace	I'm going to ask a follow-up question.
9:44:27 AM	Commissioner Mathews	And you're welcome
9:44:38 AM	Note: Sacre, Candace Staff Atty Frederick PSC - witness	And you're welcome.
J.11.30 AI1	Note: Sacre, Candace	Cross Examination (cont'd). Do you let the model choose the
		probability distribution around the variable? Is that something that
		the model determines?
9:45:19 AM	Staff Atty Frederick PSC	
	Note: Sacre, Candace	All right. Thank you for that clarification, and just as a matter of
		housekeeping, we do have someone who's trying to produce documents on the screen for us, Ms. Goodrich. She experienced
		some technical difficulties earilier when we were talking about Table
		319 and Table 8-6, but I've received a message that she is now able
		to produce those documents on the screen. I'm just letting you
		know that so if you have a table or something that pops up. That's
9:45:50 AM	Staff Atty Frederick PSC	because she's putting that there on the screen for us.
J. 73.30 AM	Note: Sacre, Candace	I have a couple of questions that surround Table 8-2, so if, Ms.
	riotor basis, canados	Goodrich, we could see Table 8-2.
9:45:58 AM	Atty Samford EKPC	
	Note: Sacre, Candace	Mr. Frederick, if I could, just to remind everybody that the redacted
0.46.06.414	CL (CALL E. L.: L. DCC	portion there is confidential information.
9:46:06 AM	Staff Atty Frederick PSC Note: Sacre, Candace	Correct, walre chawing all the reducted, walre chawing the reducted
	Note. Sacre, Caridace	Correct, we're showing all the redacted - we're showing the redacted version of this table.
9:46:15 AM	Staff Atty Frederick PSC - witness	
	Note: Sacre, Candace	On this table, there are two wind options that are listed. Can you
		explain the differences in these options?
9:47:02 AM	Commissioner Mathews - witness	
9:47:06 AM	Note: Sacre, Candace Commissioner Mathews - witness	Examination. And the same with power purchases, correct?
9:47:00 AM	Note: Sacre, Candace	That's just the ability to not only - not just take 100 megawatts?
9:47:13 AM	Staff Atty Frederick PSC - witness	· · · · · · · · · · · · · · · · · · ·
J	Note: Sacre, Candace	Cross Examination (cont'd). Can you explain the process and the
	,	basis EKPC used to select the resources that are listed in the table?
9:48:59 AM	Staff Atty Frederick PSC - witness	
	Note: Sacre, Candace	How is the uncertainty of future market conditions introduced into
9:49:11 AM	Staff Atty Frederick PSC - witness	the model?
9.49.11 AM	Note: Sacre, Candace	And does the model contain an option to retire an existing unit?
9:49:58 AM	Staff Atty Frederick PSC - witness	· · · · · · · · · · · · · · · · · · ·
	Note: Sacre, Candace	And explain whether the production cost model distinguishes
	·	between purchasing resources, retiring resources, and building
0.50.57.444	G. (C.A.). 5. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1.	resources.
9:50:57 AM	Staff Atty Frederick PSC - witness	
	Note: Sacre, Candace	Are the seasonal PPAs in Table 8-2 the only market transactions that were included in the optimizer as a resource option?
9:51:23 AM	Staff Atty Frederick PSC - witness	·
	Note: Sacre, Candace	And explain the basis for the seasonal PPAs being the only market
		transaction included? Were they selected because they were a least
0.50.00.00	0. 66 Au. E	cost option?
9:52:26 AM	Staff Atty Frederick PSC - witness	
	Note: Sacre, Candace	Okay. Can you explain how EKPC plans for extreme events that are not weather related, something like COVID-19 or a recession?
		not weather related, something like COVID-13 of a recession:

0 52 50 414	CL CC ALL E L : L DCC 'I	T .
9:53:58 AM	Staff Atty Frederick PSC - witness	
	Note: Sacre, Candace	Thank you. Can you explain how EKPC models transmission
		restraints and whether they are captured in the production cost model or the resource optimizer?
9:55:04 AM	Staff Atty Frederick PSC - witness	·
9.55.07 AM	Note: Sacre, Candace	So that would be inherent in the forward curve?
9:55:11 AM	Staff Atty Frederick PSC - witness	
3.33.11 AN	Note: Sacre, Candace	Thanks. I have a couple of questions on forecasting. EKPC's next
	Note: Sacre, canadec	IRP is scheduled for April 2022. When will the demand and supply
		side forecasting be constructed for that IRP?
9:56:04 AM	Staff Atty Frederick PSC - witness	-
	Note: Sacre, Candace	Okay, so the data that will be used - the forecast data that will be
		used in the 2022 IRP will be roughly two years old when that is
		filed?
9:56:39 AM	Atty Samford EKPC - witness Tuck	
	Note: Sacre, Candace	Redirect Examination. Just, if I may, the IRP's typically filed in March
		or April, so it would be more like 15 or 16 months.
9:57:10 AM	Commissioner Mathews	
	Note: Sacre, Candace	And we're going to hope that 2020 is not a great representative year
		of anything, so you can put some footnotes and some asterisks on that data. That will be fine.
9:57:24 AM	Commissioner Mathews	that data. That will be line.
3.37.21711	Note: Sacre, Candace	I have a question if you don't mind, Ms. Frederick.
9:57:28 AM	Commissioner Mathews - witness	
	Note: Sacre, Candace	Examination. Back to the resource modeling and your options,
	,	when you're modeling intermittent resources in your IRP modeling,
		did you use effective load carrying capability values to determine the
		capacity contribution of wind and solar or some other methodology -
9:57:57 AM	Commissioner Mathews - witness	
	Note: Sacre, Candace	- as is currently done in PJM? Are you inherently adopting those
0.F0.00 AM	Commissioner Mathews - witness	rules, the status quo, that's in PJM -
9:58:09 AM	Note: Sacre, Candace	
9:58:18 AM	Commissioner Mathews - witness	- for which they comsider the effective capacity of the resources?
3.30.10 AM	Note: Sacre, Candace	So, when they update that, if they do update that, the next IRP
	Note: Sacre, Candace	you're modeling might be different?
9:58:50 AM	Staff Atty Frederick PSC - witness	,
	Note: Sacre, Candace	Cross Examination (cont'd). I just need to ask a clarifying question.
	, , , , , , , , , , , , , , , , , , , ,	The column labeled Capacity, is that effective capacity?
9:59:06 AM	Staff Atty Frederick PSC - witness	Tucker
	Note: Sacre, Candace	That's installed capacity?
9:59:11 AM	Staff Atty Frederick PSC - witness	Purvis
	Note: Sacre, Candace	Okay. I have a question on EPA compliance. Are there any major
		changes in EPA's 2019 report, and, if so, what impact would that
10.10.44 AM	Chaff Att. Fundamial DCC with and	have on EKPC?
10:10:44 AM	Staff Atty Frederick PSC - witness	
	Note: Sacre, Candace	No, Mr. Purvis. Thank you very much for that thorough update. We really appreciate that.
10:10:50 AM	Staff Atty Frederick PSC	. cui, approduce that
_00.,	Note: Sacre, Candace	At this time, I'm going to let Ms. Goodrich know that she can
	, 	remove that Table 8-2.

10:10:57 AM	Staff Atty Frederick PSC - witness	s Tucker
	Note: Sacre, Candace	And we're going to turn our attention briefly to the comments made
		by the Southern Renewable Energy Association. SREA has recommended that EKPC move away from capacity focused resource
		planning. What other types of planning are utilized in resource
		planning?
10:11:38 AM	Commissioner Mathews	THE
10:12:51 AM	Note: Sacre, Candace Staff Atty Frederick PSC - witness	I think we're having trouble hearing Ms. Tucker.
10.12.51 AM	Note: Sacre, Candace	Is EKPC aware of any regulated utility that utilizes any of the other
	note: Sacre, sandace	types of planning besides capacity focused resource planning?
10:13:10 AM	Staff Atty Frederick PSC - witness	s Tucker
	Note: Sacre, Candace	Thank you. SREA recommended that EKPC use levelized cost of
		energy benchmarks. What is EKPC's response to that, and should they be used as inputs into capacity planning?
10:13:52 AM	Staff Atty Frederick PSC - witness	· · · · · · · · · · · · · · · · · · ·
	Note: Sacre, Candace	Does EKPC consider tax credits in resource planning?
10:15:02 AM	Staff Atty Frederick PSC - witness	
	Note: Sacre, Candace	Thanks. Explain whether renewable energy credits are integrated into the pricing of renewable resources for modeling inputs?
10:15:40 AM	Staff Atty Frederick PSC - witness	
	Note: Sacre, Candace	Given - this is just a general question. Given that the 2019 IRP used
		2017 data and we're now in the year 2020, was the 1.4 percent overall growth in load forecast realized?
10:16:38 AM	Staff Atty Frederick PSC	overall grower in load forecast realized.
	Note: Sacre, Candace	Thank you. Those are all my questions.
10:16:47 AM	Commissioner Mathews	
	Note: Sacre, Candace	Mr. Cook?
10 16 50 111		MI. COOK!
10:16:50 AM	Asst Atty General Cook	
	Asst Atty General Cook Note: Sacre, Candace	Yes, ma'am, thank you very much, Commissioner, and I do have some questions.
10:16:50 AM 10:17:00 AM	Asst Atty General Cook Note: Sacre, Candace Asst Atty General Cook - witness	Yes, ma'am, thank you very much, Commissioner, and I do have some questions. Tucker
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	Note: Sacre, Candace	VERIFY AND PROVIDE EKPC MEMBERS-OWNERS' DATA AS TO ACTUAL SALES TO COAL MINING CUSTOMERS FOR MOST RECENT YEAR
10:19:03 AM	Asst Atty General Cook - witness	Tucker
	Note: Sacre, Candace	And, while I have you here, if you could turn to your Response to AG 2-3, and just let me know when you're there.
10:19:24 AM	Asst Atty General Cook - witness	Tucker
	Note: Sacre, Candace	Okay. Can you read your Response into the record?
10:20:07 AM	Asst Atty General Cook - witness	Tucker
	Note: Sacre, Candace	Okay. Thank you. What I take from your Response is that EKPC takes all costs into consideration and that overall the company's model is fairly comprehensive. Is that safe to say?
10:20:25 AM	Asst Atty General Cook - witness	Tucker
	Note: Sacre, Candace	Thanks. Can you discuss how the modeling resource that the company uses take into consideration the intermittent nature of renewable power resources?
10:21:39 AM	Asst Atty General Cook - witness	Tucker
	Note: Sacre, Candace	And then, if, in your modeling, it appears that a backup resource - let me backtrack. Say, that if a renewable resource is beginning to look favorable but it may also require a resource due to intermittency, what kind of backup resources are examined? Is there like a separate analysis then, or is it all part of the same thing? How does that work?
10:23:21 AM	Asst Atty General Cook - witness	Tucker
	Note: Sacre, Candace	Okay, and so then I take it that the company would also go through and make a least cost analysis for the backup resource in a situation like that, is that correct?
10:23:46 AM	Asst Atty General Cook - witness	
	Note: Sacre, Candace	Is there any way to examine through the IRP process the, for lack of a better term, the interplay between a primary renewable source and a secondary backup source, like, for example, frequently it might be needed, things of that nature?
10:24:27 AM	Asst Atty General Cook - witness	Tucker
	Note: Sacre, Candace	Okay, I understand, then, if you could turn to Response to AG 2-7, and just let me know when you're there.
10:24:58 AM	Asst Atty General Cook - witness	Tucker
	Note: Sacre, Candace	Okay, great, and thanks. The staff has it up on the screen, too, so the question asked, explain when the next survey of the member systems' residential customers will be taken. Did the company provide any graphs indicating the impact of energy efficiency standards and appliances anywhere in the Application that you're aware of?
10:25:41 AM	Atty Samford EKPC	
	Note: Sacre, Candace	I was going to say, are you talking about the Application or the survey?
10:25:47 AM	Asst Atty General Cook - witness	
	Note: Sacre, Candace	In, I guess, both, but, if it's in the Application, I think I'd like to know where it is, and, if not, maybe if we could get the results of the survey, although I understand that may not be ready yet.
10:26:45 AM	Asst Atty General Cook - witness	Tucker
	Note: Sacre, Candace	Okay, and, obviously, your Response to these questions was almost three months ago or maybe two months ago. Is there any progress report on that most recent survey you said that would be expected to come out by the Fall. Do you have any update on that?

10:27:26 AM	Asst Atty General Cook	
	Note: Sacre, Candace	Okay, so, David, if I ask in a post-hearing data request for that to be provided, do you expect that there's a time when that would be ready to be provided?
10:27:40 AM	Atty Samford EKPC	
	Note: Sacre, Candace	I mean, I think once it's been completed and reviewed and finalized, it would, you know, potentially be subject to disclosure at that point but probably not before then.
10:27:53 AM	Asst Atty General Cook	
	Note: Sacre, Candace	Okay. I think I will ask in a post-hearing data request then for that to be provided when ready (inaudible).
10:27:56 AM	POST-HEARING DATA REQUEST	ACCT ATTY CENERAL COOK MATTHECC THOUSE
	Note: Sacre, Candace	ASST ATTY GENERAL COOK - WITNESS TUCKER SURVEY OF EKPC MEMBER SYSTEMS' RESIDENTIAL CUSTOMERS
10:28:13 AM	Note: Sacre, Candace Asst Atty General Cook - witness	
10.20.13 AM	Note: Sacre, Candace	And, Ms. Tucker, if you could turn to the next question on AG 2-8, just let me know when you're there.
10:28:52 AM	Asst Atty General Cook - witness	es Tucker and Crews
	Note: Sacre, Candace	And so your Response states that the economic data was received from the IHS Global Insight in the Fall of 2017, and that was, you know, three years ago, and, since that time, you've gone through a lot, and all kinds of things have changed, and, especially this year, 2020 has changed all kinds of economic and financial forecasts, and, first, I'm just wondering, can you explain why that data is so old and why the company cannot get anything more current?
10:31:55 AM	Asst Atty General Cook - witness	, , , , , , , , , , , , , , , , , , , ,
	Note: Sacre, Candace	Okay, thank you. My next question is about AG 2-13, and I believe the respondents here were Craig Johnson and Mark Brewer, and so, if you guys could just turn to that, and let me know when you're ready.
10:32:26 AM	Asst Atty General Cook - witness	·
	Note: Sacre, Candace	Thank you very much. In Subpart (c), here, we asked about the beneficial reuse of fly ash from Spurlock 1 and 2 as a cement supplement to the ready-mix industry. Could you read that Response to that Subpart (c) into the record?
10:35:17 AM	Asst Atty General Cook - witness	Johnson
	Note: Sacre, Candace	Okay, thank you, so the question I have is, once the ELG facility, there, at Spurlock has been constructed, does the company expect to start the sale of fly ash to the ready-mix industry at any given point in time, or will the internal need for the fly ash from Spurlock 1 and 2 remain indefinitely?
10:36:09 AM	Asst Atty General Cook - witness	
40.06.== 444	Note: Sacre, Candace	Okay. Have you ever been approached by any other company regarding the use of fly ash?
10:36:57 AM	Asst Atty General Cook - witness Note: Sacre, Candace	Okay, all right, thank you very much.
10:37:22 AM	Asst Atty General Cook - witness	,, , , , , , , , , , , , , , , , , , , ,
	Note: Sacre, Candace	Okay, all right, the next question is about the Response to AG 82 I believe the respondents here were Julia Tucker and Mary Jane Warner, so, if you could just let me know when you're there.
10:37:45 AM	Asst Atty General Cook - witness	
	Note: Sacre, Candace	Okay, thank you, and this question is about the emergent solar facilities that obviously are going up. Almost every day, we get new applications in. Does EKPC's IRP proceeds take these facilities into consideration as a potential least cost resource?

40.00.00		
10:38:50 AM	Asst Atty General Cook - witness	
	Note: Sacre, Candace	Okay, so if an IRP is issued and they decide to respond, then their
		bid or whatever is referred to as - basically, is treated the same as
10-20-12 444	Canada i an an Malla ann	everybody else's bid, is that correct?
10:39:12 AM	Commissioner Mathews	M C
	Note: Sacre, Candace	Mr. Cook, how many questions do you have? (Click on link for
10.20.42 AM	Commission on Mathema	further discussions.)
10:39:42 AM	Commissoner Mathews	Maybo a tan minuta broak until tan afi
10.20.E2 AM	Note: Sacre, Candace	Maybe a ten-minute break until ten of?
10:39:53 AM	Session Paused	
10:50:46 AM	Session Resumed	
10:50:57 AM	Commissioner Mathews	Van man andimus to rate Mr. Carl
10 51 02 444	Note: Sacre, Candace	You may continue to ask, Mr. Cook.
10:51:02 AM	Asst Atty General Cook	T
40 54 05 414	Note: Sacre, Candace	Thank you so much, Commissioner.
10:51:05 AM	Asst Atty General Cook - witness	,
	Note: Sacre, Candace	Cross Examination (cont'd). My next question is addressed to Mike
		McNalley. Mr. McNalley, you had a Response to Commission's
		Second Set of Data Requests, Item No. 2, so I'm wondering if you
10:51:48 AM	Asst Atty General Cook - witness	could turn to that and just let me know when you're there.
10.51.40 AM	· · · · · · · · · · · · · · · · · · ·	<i>,</i>
	Note: Sacre, Candace	Okay, great, so - and I wanted to ask you if you could read a portion of your Response into the record. You had - it's actually a pretty
		long Response. I don't want to have to go over it all, but I did want
		to start on page 2, the paragraph that starts, "In order to ensure
		adequate funds " And, if you see that, if you could just start
		there.
10:53:00 AM	Asst Atty General Cook - witness	McNalley
	Note: Sacre, Candace	There we go, and if you could just read that through the end of the
	·	Response, please?
10:57:59 AM	Asst Atty General Cook - witness	McNalley
	Note: Sacre, Candace	Okay, thank you very much for reading that, so it's been a couple of
		months since your Response, here. I'm just wondering, in general,
		do you have any kind of updates that could shed more light on this
		situation? Anything at all?
11:02:02 AM	Asst Atty General Cook - witness	•
	Note: Sacre, Candace	Sure, so one thing that comes to mind right away is, if I understood
		what you said, you've understood that it's going to be highly unlikely
		that Congress will allow the RUS to do refinancings, is that correct?
11:02:48 AM	Asst Atty General Cook - witness	
	Note: Sacre, Candace	Okay, and then another question, was EKPC able to obtain, I don't
		know if you'd call it, PPP loans? I think there was a separate
		program through the Federal Reserve, and I don't know if it had to be at a certain level or what.
11:04:28 AM	Commissioner Mathews	be at a certain level of what.
11.04.20 AM		Mr. Cook avanybody fraza (Click on link for further discussions.)
11:05:08 AM	Note: Sacre, Candace Commissioner Mathews	Mr. Cook - everybody froze. (Click on link for further discussions.)
11.02.00 AM		We recognize that this being a 2010 IDD by definition is averaged
	Note: Sacre, Candace	We recognize that, this being a 2019 IRP, by definition, is prepared in 2018 and based on 2017 data and is a bit stale, so just trying to
		focus us back to the 2019 IRP discussions.
		10000 GD DUCK to the 2017 IN Glocussions.

11:05:36 AM	Asst Atty General Cook - witness	McNallev
	Note: Sacre, Candace	Right, and I'm looking at Mr. McNalley's Responses, here, to Data Requests. Let's see, so, at the top of page 3 of your Response, there, you stated that "While the company and owner/members support the Commission's Order to not shut off delinquent accounts and to not charge late payment fees, nonetheless, those new requirements are having a significant impact on the owner/members' finances," so is there anything - any kind of further update to that?
11:06:45 AM	Asst Atty General Cook - witness	
	Note: Sacre, Candace	Okay, thank you very much for that. My next question is for Mr. Crews. Could you turn to your Response in the Commission's Second Set of Data Requests, Item No. 3? Just let me know when you're there.
11:07:20 AM	Asst Atty General Cook - witness	Crews
	Note: Sacre, Candace	Okay, thank you, and so you were asked here to explain how PJM's Minimum Offer Price Rule or the MOPR will affect EKPC's participation in PPJM. Since the time of your question or the question and your Response, had there been any other developments in PJM or FERC that might affect the company's decision on whether to continue participating in PJM?
11:08:39 AM	Asst Atty General Cook - witness	Crews
	Note: Sacre, Candace	Okay, all right, and then at the third page of your Response to this question, you state that whether any new resource would clear in the RPM market would be dependent upon the MOPR floor level applicable to the fuel type of the generator or an (inaudible) will determine through a PJM-approved unit specific offer exemption. Can you explain what you mean there? Further down, you mention the possibility that this could result in the possibility of EKPC having to pay twice for capacity. Can you explain what you mean by the possibility of having to pay twice?
11:13:57 AM	Asst Atty General Cook - witness	
	Note: Sacre, Candace	I think so, yes. Thank you very much for that, and then also there are something - I believe PJM, correct me, Mr. Cruz, I think that considering (inaudible) with carbon pricing, is that correct?
11:15:38 AM	Asst Atty General Cook - witness	Crews
	Note: Sacre, Candace	All right, thank you very much, so I take it that that is an area of potential concern of the company, correct?
11:16:17 AM	Asst Atty General Cook - witness	
	Note: Sacre, Candace	I understand. Thank you very much, sir. The next question I have is a panel question. It's about the comments filed by the Southern Renewable Energy Association on June 8th in the (inaudible) where it expressed an opinion that EKPC's assumptions regarding renewable energy costs were significantly higher than current market offerings. Can you explain what measures EKPC employs to be certain that its assumptions regarding energy from any generation type are as accurate as possible?
11:17:40 AM	Asst Atty General Cook - witness	• ,
	Note: Sacre, Candace	Okay, and then, those comments filed by the SREA, they also said that renewable energy cost assumptions are dated from 2016. First of all, is that true, and then, if so, what will the company do to ensure that it has the most up-to-date data?
11:19:19 AM	Asst Atty General Cook - witness	
	Note: Sacre, Candace	Okay, thank you, and then the same comments also recommended that the NREL annual technology baseline should be used for all renewable energy resource cost and performance assumptions. Do you think that would be useful in the company's next IRP?
-		

11:19:47 AM	Asst Atty General Cook - witness	Tucker
	Note: Sacre, Candace	Okay, thank you. The next question is a general panel question. We know that a lot of renewable energy resource types are moving lower in price, but some types of renewables, I'm thinking in particular about solar, can affect the distribution grid and perhaps drive new costs at (inaudible) level as well, so when EKPC considers new supply side resources, traditionally, it does so on its corporate structure and mission of being a G&T, generation and transmission, but now that we're in sort of a new era, here, that really it's many years have passed since the original IRP regulations were written, and a lot of things are changing, and so one of the things we know is that some of these renewables drive - cause cost drivers at the distribution level, but you guys don't model that, and I understand why. Because you're a G&T, but I'm wondering, shouldn't you? In order to get to a least cost resource evaluation, if your memberowners have to spend millions of dollars to upgrade their distribution (inaudible), isn't that something that needs to go into the equation? I'll just toss that out.
11:25:52 AM	Asst Atty General Cook Note: Sacre, Candace	Okay, thank you very much. I believe that's all the questions I have at this time.
11:25:57 AM	Commissioner Mathews Note: Sacre, Candace	Thank you. Mr. Kurtz?
11:26:00 AM	Atty Kurtz Nucor Note: Sacre, Candace	Thank you, Commissioner Mathews, just a few.
11:26:03 AM	Atty Kurtz Nucor - witness Crews	, , , , , , , , , , , , , , , , , , ,
	Note: Sacre, Candace	Cross Examination. First, I guess, really, this is an observation. It's been ten years since East Kentucky's had a base rate case, which is quite a record, so everybody on this panel must be doing something right. That's my observation. When you evaluate purchase power versus self-supply options, does the purchase power option eliminate MOPR self-supply risk?
11:28:14 AM	Atty Kurtz Nucor - witness Tucker	• • •
	Note: Sacre, Candace	Just as a general matter, of the last six months last year, what you project going forward, what percent of East Kentucky's energy comes from the PJM market versus self-generation for the energy?
11:28:47 AM	Atty Kurtz Nucor - witness Crews Note: Sacre, Candace	And I think Mr. McNalley mentioned that the benefits of that flow through the FAC, is that correct? So that's a good thing?
11:29:01 AM	Atty Kurtz Nucor - witness Crews Note: Sacre, Candace	Do you expect market energy prices to remain fairly low, below your (inaudible) cost in the near future, foreseeable future?
11:30:07 AM	Atty Kurtz Nucor - witness Crews Note: Sacre, Candace	Thank you. This CO2 (inaudible) working group that you referred to, David, I'll just ask you, what's the - is the risk that the energy you purchase would be higher or that the energy you're able to sell to the market would sort of have a penalty attached to it. What's the risk associated with that CO2 working group? I mean, it's a work in progress. It could be - anything could come out of it, but what is the risk you're generally considering?
11:32:19 AM	Atty Kurtz Nucor - witness Crews Note: Sacre, Candace	One last question, when you consider a solar or - I'll just use solar, a solar build, self-build, or a solar self-build, do you have - for purposes of RMP/PJM capacity, do you have to build two megawatts of solar to basically get one megawatt of capacity value for PJM purposes because of the - the equivalent forced outage modification?

11:33:39 AM	Atty Kurtz Nucor - witness Crews	
111001057111	Note: Sacre, Candace	Well, you don't need to do that, so you would need to build - if it
	·	was a (inaudible), you would need to build three megawatts to get
		one megawatt of capacity value?
11:33:57 AM	Atty Kurtz Nucor	
	Note: Sacre, Candace	Thank you, David. Thank you everyone. Commissioner Mathews,
11.24.02 AM	Camanianian au Madhanna	those are all my questions.
11:34:03 AM	Commissioner Mathews	Mr. Camford, do you have any redirect?
11:34:06 AM	Note: Sacre, Candace Atty Samford EKPC	Mr. Samford, do you have any redirect?
11.34.00 AM	Note: Sacre, Candace	No redirect, Your Honor.
11:34:08 AM	Commissioner Mathews	No redirect, Tour Horior.
11.5 1.00 AM	Note: Sacre, Candace	Ms. Frederick?
11:34:10 AM	Staff Atty Frederick PSC	13. Treatment.
1113 1110 711 1	Note: Sacre, Candace	Nothing further, Your Honor.
11:34:12 AM	Commissioner Mathews	roaming randially roam from the
	Note: Sacre, Candace	Mr. Cook?
11:34:17 AM	Asst Atty General Cook	
	Note: Sacre, Candace	Nothing further.
11:34:22 AM	Commissioner Mathews	-
	Note: Sacre, Candace	Do we need to talk about timing for post-hearing data requests? I
		think Mr. Cook is the only one that has a post-hearing data request,
		and you will get those in writing, correct?
11:34:41 AM	Asst Atty General Cook	
	Note: Sacre, Candace	Yes, ma'am, I'm sure I can get those in within a couple of days, if
11.24.4F AM	Commission or Mathews	that's okay.
11:34:45 AM	Commissioner Mathews Note: Sacre, Candace	Okay. How long do you think you would need to respond to those?
11:34:51 AM	Atty Samford EKPC	Okay. How long do you trillik you would need to respond to those:
11.54.51 AN	Note: Sacre, Candace	If we could have ten days to two weeks. There's just one, right? Is
	Note: Sacre, cariadee	that right, Larry?
11:35:03 AM	Asst Atty General Cook	5 , ,
	Note: Sacre, Candace	I thought it was two.
11:35:05 AM	Commissioner Mathews	
	Note: Sacre, Candace	Yeah, I put two hashmarks.
11:35:08 AM	Atty Samford EKPC	
	Note: Sacre, Candace	Ten days should be sufficient, Your Honor.
11:35:10 AM	Commissioner Mathews	
	Note: Sacre, Candace	Okay, so, if you could get them by the 22nd, does that mean - no,
		the 22nd is Saturday, sorry. The 21st will be tomorrow, five o'clock.
11.25.40 AM	Atty Comford EVDs	Would that be September 11? Is that too long?
11:35:40 AM	Atty Samford EKPc	No. That would be fine. We could probably do it by Contember 4th
11:35:45 AM	Note: Sacre, Candace Commissioner Mathews	No. That would be fine. We could probably do it by September 4th.
11.55.T5 AI1	Note: Sacre, Candace	September 4th would be even better. Anything else?
11:35:57 AM	Staff Atty Frederick PSC	September 401 would be even better. Anything else:
11.55.57 741	Note: Sacre, Candace	No.
11:35:58 AM	Commissioner Mathews	
	Note: Sacre, Candace	That was it? We appreciate you humoring us on this first IRP
	,	hearing that we've had since since most of the Staff joined the
		Commission. I believe Dr. Rogness and I are the only ones that are
		long enough in the tooth to have been involved in the last IRP
		hearings. Perhaps, Mr. Scott.

11:36:29 AM Commissioner Mathews

Note: Sacre, Candace

I appreciate it, and, with that, I think we're finished. We're going off the record in 2019-00096.

11:36:47 AM Session Ended

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